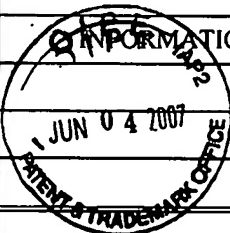


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|--|----|---|------------|-----------------------------------|-------|-----------------|----------------------------|----|
| U.S. Department of Commerce, Patent and Trademark Office | | | | Atty. Docket No. | | Application No. | | |
| | | | | AB-1432 US | | 10/532,459 | | |
|  | | | | Applicant(s) | | | | |
| | | | | KIM, Hyun-Jae and KANG, Myung-Koo | | | | |
| | | | | Filing Date | | Group | | |
| | | | | 11/02/2005 | | 2812 | | |
| U.S. Patent Documents | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| | AA | | | | | | | |
| | AB | | | | | | | |
| | AC | | | | | | | |
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| | AK | | | | | | | |
| Foreign Patent Documents | | | | | | | | |
| | | | | | | | Translation | |
| | | Document | Date | Country | Class | Subclass | Yes | No |
| <i>AB</i> | AL | CN 1304548 A | 07/18/2001 | China | — | — | | X |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| <i>AB</i> | AQ | English Language Abstract, Publication No. CN 1304548, 07/18/2001, 1 p. | | | | | | |
| | AR | | | | | | | |
| | AS | | | | | | | |
| Examiner <i>Richard An</i> | | Date Considered <i>06/23/07</i> | | | | | | |
| <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p> | | | | | | | | |

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IC13 Rec'd PCT/PTO 22 APR 2003 Sheet 1 of 2

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|--|--|-----------------------------------|-------------------|
| U.S. Department of Commerce, Patent and Trademark Office | | Atty. Docket No. | Application No. |
| | | AB-1432 US | Not Assigned |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Applicant(s) | |
| (Use several sheets if necessary) | | KIM, Hyun-Jae and KANG, Myung-Koo | |
| | | Filing Date | Group |
| | | Herewith | Not Assigned 2812 |

U.S. Patent Documents

| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|----|-----------------|------------|-------------|-------|----------|----------------------------|
| RB | AA | US 5,302,230 | 04/12/1994 | Ino et al. | I | I | |
| | AB | US 2001/0019863 | 09/06/2001 | Yang | I | I | |
| | AC | US 2002/0083557 | 07/04/2002 | Jung | I | I | |
| RB | AD | US 2002/0110962 | 08/15/2002 | Wada et al. | I | I | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

Foreign Patent Documents

| | | | | | | | Translation | |
|--|----|----------|------|---------|-------|----------|-------------|----|
| | | Document | Date | Country | Class | Subclass | Yes | No |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|--|
| RB | AQ | Patent Abstracts of Japan, Publication No. 54-153745, 12/04/1979, 1 page |
| RB | AR | Patent Abstracts of Japan, Publication No. 56-047288, 04/28/1981 |
| RB | AS | Patent Abstracts of Japan, Publication No. 60-247488, 12/07/1985 |

| | |
|-----------------------------|--------------------------|
| Examiner <i>[Signature]</i> | Date Considered 06/23/02 |
|-----------------------------|--------------------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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| U.S. Department of Commerce, Patent and Trademark Office | | | | Atty. Docket No. | | Application No. | |
| | | | | AB-1432 US | | Not Assigned | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant(s) | | | |
| (Use several sheets if necessary) | | | | KIM, Hyun-Jae and KANG, Myung-Koo | | | |
| | | | | Filing Date | | Group | |
| | | | | Herewith | | Not Assigned <i>24</i> | |
| U.S. Patent Documents | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
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| | AJ | | | | | | |
| | AK | | | | | | |
| Foreign Patent Documents | | | | | | | |
| | | | | | | | Translation |
| | | Document | Date | Country | Class | Subclass | Yes No |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |
| | AO | | | | | | |
| | AP | | | | | | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| <i>12B</i> | AQ | Patent Abstracts of Japan, Publication No. 01-214011, 08/28/1989 | | | | | |
| <i>18B</i> | AR | Patent Abstracts of Japan, Publication No. 02-165880, 06/26/1990 | | | | | |
| <i>18B</i> | AS | Patent Abstracts of Japan, Publication No. 03-235040, 10/21/1991 | | | | | |
| Examiner | | <i>Richard R</i> | | | | | |
| | | Date Considered <i>06/23/07</i> | | | | | |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant. | | | | | | | |